SECTION 11

INTUITIVE PARKING ASSIST

Intuitive parking assist

Intuitive parking assist —

The distance to obstacles measured by the sensors is communicated via the display and a buzzer when parallel parking or maneuvering into a garage. Always check the surrounding area when using this system.

- **Types of sensors**

1 **Front corner sensors**

2 **Rear corner sensors**

3 **Rear center sensors**

- **Setting the intuitive parking assist mode**

1. Push the menu switch.

The multi−information display will change modes to electronic features control mode.

2. Push the "ENTER" switch upwards or downwards until the intuitive parking assist−sensor mark appears in the multi−information display.

3. Push the “ENTER” switch to select “ON”.

The intuitive parking assist−sensor indicator will be displayed.

Each pushing of the switch turns the intuitive parking assist−sensor on and off.

To turn on: Push the switch. The buzzer sounds to inform the driver that the system is operational.

To turn off: Push the switch again.

Push the menu switch to change to the normal display.

— Display

When the sensors detect an obstacle, the graphic is shown on the multi−information display and navigation display according to position and distance to the obstacle.

- **Multi−information display**

1 **Front corner sensors operation**

2 **Rear corner sensors operation**

3 **Rear center sensors operation**

- **Navigation display**

WHEN THE VEHICLE IS MOVING FORWARD

The graphic is automatically displayed when an obstacle is detected. The screen can be set so that the graphic is not displayed. (See page 411.)

WHEN THE VEHICLE IS MOVING BACKWARD

A simplified image is displayed on the right upper corner of the screen when an obstacle is detected.

— The distance display and buzzer

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

CORNER SENSORS

Level	1	2	3	4
Display example	–			
Buzzer	–	Medium	Fast	Continuous

CENTER SENSORS

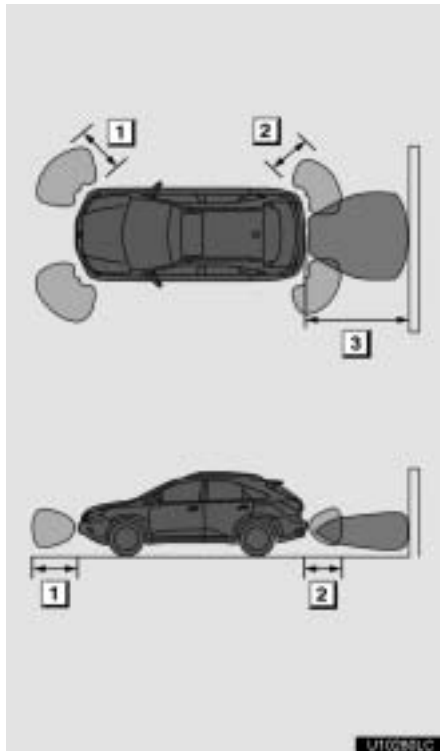
Level	1	2	3	4
Display example				
Buzzer	Slow	Medium	Fast	Continuous

● **Detection level and approximate distance to an obstacle**

Level	1	2	3	4
Front corner sensors	–	2.0 to 1.6 ft. (60 to 47.5 cm)	1.6 to 1.2 ft. (47.5 to 35 cm)	1.2 ft. (35 cm) or less
Rear corner sensors	–	1.6 to 1.2 ft. (50 to 37.5 cm)	1.2 to 0.8 ft. (37.5 to 25 cm)	0.8 ft. (25 cm) or less
Rear center sensors	4.9 to 2.0 ft. (150 to 60 cm)	2.0 to 1.5 ft. (60 to 45 cm)	1.5 to 1.2 ft. (45 to 35 cm)	1.2 ft. (35 cm) or less

INFORMATION

Settings (e.g. buzzer volume) can be changed. (See page 411.)

— Detection range of the sensors

1 **Approximately 2.0 ft. (60 cm)**

2 **Approximately 1.6 ft. (50 cm)**

3 **Approximately 4.9 ft. (150 cm)**

The diagram shows the detection range of the sensors. Note that the sensors cannot detect obstacles that are extremely close to the vehicle.

The range of the sensors may change depending on the shape of the object etc.

— Sensor detection information

- Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an obstacle. Particular instances where this may occur are listed below.
  - There is dirt, snow or ice on a sensor.
  - A sensor is frozen.
  - A sensor is covered in any way.
  - The vehicle is leaning considerably to one side.
  - On an extremely bumpy road, on an incline, on gravel, or on grass
  - The vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
  - There is another vehicle equipped with parking assist sensors in the vicinity.
  - A sensor is coated with a sheet of spray or heavy rain.
  - The vehicle is equipped with a fender pole or radio antenna.
  - Towing eyelets are installed.
  - A bumper or sensor receives a strong impact.
  - The vehicle is approaching a tall or right−angled curb.
  - In harsh sunlight or intense cold weather.
  - A non−genuine Lexus suspension (lowered suspension, etc.) is installed.

In addition to the examples above, there are instances in which, because of their shapes, signs and other objects may be judged by a sensor to be closer than they are.

- The shape of the obstacle may prevent a sensor from detecting it. Pay particular attention to the following obstacles:
  - Wires, fences, ropes, etc.
  - Cotton, snow and other materials that absorb radio waves
  - Sharply−angled objects
  - Low obstacles
  - Tall obstacles with upper sections projecting outwards in the direction of your vehicle

CAUTION

- **Caution when using the intuitive parking assist−sensor**

  Observe the following precautions.

  Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

  - **Do not use the sensor at speeds in excess of 6 mph (10 km/h).**
  - **Do not attach any accessories within the sensor range.**

NOTICE

Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area.

Doing so may result in the sensor malfunctioning.

System malfunction

- ***An accident will affect the sensors, resulting in system failure.***
- ***If the indicators remain on without a beeping sound, the system may be malfunctioning. Contact your Lexus dealer.***

— Intuitive parking assist−sensor failure warning

If an error is detected when the parking assist−sensor is turned on, the vehicle symbol comes on or flashes with beeping sounds.

However, the sensors functioning properly continue their obstacle detection.

The parking assist−sensor failure warning display is not given in either of the following operations:

- Changing to another screen
- Turning off the main switch for the intuitive parking assist−sensor

● **When snowflakes or mud gets on the sensors**

▶ **Multi–information display**

If the failure warning does not go off even after the foreign matter is removed, the parking assist–sensor may be malfunctioning. Have it checked by your Lexus dealer.

● **When the sensor is malfunctioning**

▶ **Multi–information display**

If this message appears, have the parking assist–sensor checked by your Lexus dealer.

As the parking assist–sensor might be malfunctioning in the following cases, have it checked by your Lexus dealer.

- The indicator in the instrument cluster does not come on and a beep does not sound even when the parking assist–sensor main switch is turned on.
- The warning comes on despite no obstacle around the vehicle.

- **Certification**

For vehicles sold in Canada.

This ISM device complies with Canadian ICES−001.

Cet appareil ISM est conforme a la norme NMB−001 du Canada.